

according to Regulation (EC) No. 1907/2006

### SYMIC OEM Medium Space Gold

| Version | Revision Date: | SDS Number:  | Print Date: 11.03.2022          |
|---------|----------------|--------------|---------------------------------|
| 3.1     | 09.03.2022     | 102000022408 | Date of first issue: 19.11.2014 |

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

: Colouring agents, pigments

#### 1.1 Product identifier

 Trade name
 :
 SYMIC OEM Medium Space Gold

 Product code
 :
 021124MJ0

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture

#### 1.3 Details of the supplier of the safety data sheet

| Company  | : | ECKART GmbH<br>Guentersthal 4<br>91235 Hartenstein |
|--|---|--|
| Telephone  | : | +499152770   |
| Telefax  | : | +499152777008                                      |
| E-mail address of person responsible for the SDS | : | msds.eckart@altana.com                             |

#### **1.4 Emergency telephone number**

NCEC: +44 1235 239670 (Europe) Call and response in your language is possible. Contract no.: ECKART29003-NCEC.

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Not a dangerous substance according to GHS.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

#### Additional Labelling

| EUH210 | Safety data sheet available on request.                                    |
|--------|--|
| EUH212 | Warning! Hazardous respirable dust may be formed when used. Do not breathe |
|        | dust.  |



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|---------|----------------|--------------|---------------------------------|
| 3.1     | 09.03.2022     | 102000022408 | Date of first issue: 19.11.2014 |

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Hazardous components

| Chemical name                                    | CAS-No.<br>EC-No.   | Classification<br>REGULATION (EC) | Concentration<br>(% w/w) |  |
|--|---------------------|-----------------------------------|--------------------------|--|
|  | Index-No.           | No 1272/2008                      | (/0 11/11)               |  |
|  | Registration number | 110 1212,2000                     |                          |  |
| Substances with a workplace exposure limit :     |                     |                                   |                          |  |
| Fluorphlogopite                                  | 12003-38-2          |                                   | >= 25 - < 50             |  |
| (Mg3K[AIF2O(SiO3)3])                             | 234-426-5           |                                   |                          |  |
|  | 01-2119971065-37    |                                   |                          |  |
| For explanation of abbreviations see section 16. |                     |                                   |                          |  |

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

| General advice          | : | Do not leave the victim unattended.   |
|-------------------------|---|---|
| If inhaled              | : | If unconscious, place in recovery position and seek medical<br>advice.<br>If symptoms persist, call a physician.  |
| In case of skin contact | : | Wash off with soap and water.   |
| In case of eye contact  | : | Remove contact lenses.<br>If eye irritation persists, consult a specialist.   |
| If swallowed            | : | Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician. |

#### 4.2 Most important symptoms and effects, both acute and delayed

None known.

#### 4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media : Foam

Carbon dioxide (CO2)

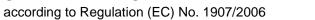


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| Version<br>3.1 | Revision Date:<br>09.03.2022  |           | OS Number:<br>2000022408   | Print Date: 11.03.2022<br>Date of first issue: 19.11.2014   |
|----------------|---|-----------|----------------------------|---|
|                |   |           | ABC powder                 |   |
| 5.2 Spec       | ial hazards arising from  | the       | substance or n             | nixture   |
| -              | ce for firefighters   |           |                            |   |
|                | cial protective equipment refighters                                    | :         | Wear self-conta necessary. | ined breathing apparatus for firefighting if  |
| Furtl          | ner information   | :         | Use extinguishir           | dure for chemical fires.<br>ng measures that are appropriate to local<br>and the surrounding environment. |
| SECTIO         | N 6: Accidental releas  | se r      | neasures                   |   |
| 6.1 Perso      | onal precautions, protec  | ctive     | e equipment and            | l emergency procedures  |
| Pers           | onal precautions  | :         | Avoid dust form            | ation.  |
|                |   |           |                            |   |
|                | ronmental precautions   |           | No special envir           | onmental precautions required.  |
|                | ionmental precautions   | •         |                            | onnental precations required.   |
| 6.3 Meth       | ods and material for co   | ntai      | nment and clear            | ning up   |
| Meth           | nods for cleaning up  | :         | Sweep up and s             | ange disposal without creating dust.<br>shovel.<br>e, closed containers for disposal.                     |
| 6.4 Refer      | rence to other sections   |           |                            |   |
| SECTIO         | N 7: Handling and sto   | oraç      | je                         |   |
|                | <b>autions for safe handlin</b><br>ce on safe handling                  | g<br>:    |                            | otection see section 8.<br>and drinking should be prohibited in the                                       |
|                | ce on protection against<br>and explosion                               | :         | Provide appropris formed.  | iate exhaust ventilation at places where dust   |
| Hygi           | ene measures  | :         | General industri           | al hygiene practice.  |
| Req            | litions for safe storage,<br>uirements for storage<br>is and containers | incl<br>: | Electrical install         | <b>npatibilities</b><br>ations / working materials must comply with<br>al safety standards.               |
| Advi           | ce on common storage  | :         | No materials to            | be especially mentioned.  |
|                |   |           |                            |   |

Further information on : Keep in a dry place. No decomposition if stored and applied





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|---------|----------------|--------------|---------------------------------|
| 3.1     | 09.03.2022     | 102000022408 | Date of first issue: 19.11.2014 |

storage stability

as directed.

#### 7.3 Specific end use(s)

This information is not available.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

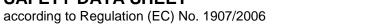
| Components          | CAS-No.   | Value type (Form of exposure)  | Control parameters  | Basis   |
|---------------------|---|--|---|---|
| titanium dioxide    | 13463-67-<br>7  | TWA (inhalable dust)   | 10 mg/m3  | GB EH40   |
| Further information | those fraction<br>undertaken<br>General met<br>thoracic and<br>hazardous tr<br>concentration<br>inhalable du<br>any dust will<br>these levels<br>to these mut<br>contain part<br>fate of any p<br>and the bod<br>particle. HSI<br>termed 'inha<br>fraction of a<br>and is there<br>dust approx<br>of the lung.<br>MDHS14/4.<br>WEL, all the<br>short-term e | ons of airborne dust with<br>in accordance with the<br>thods for sampling a<br>l inhalable aerosols.,<br>o health includes dust<br>on in air equal to or g<br>list or 4 mg.m-3 8-hou<br>l be subject to COSH.<br>Some dusts have b<br>st comply with the ap-<br>icles of a wide range<br>particular particle after<br>y response that it eli<br>E distinguishes two sa<br>alable' and 'respirable<br>irborne material that<br>fore available for dep-<br>imates to the fraction<br>Fuller definitions and<br>, Where dusts contain<br>e relevant limits shou | respirable dust and inha<br>which will be collected when methods described in<br>and gravimetric analysis of<br>The COSHH definition of<br>st of any kind when prese<br>reater than 10 mg.m-3 8<br>ur TWA of respirable dus<br>H if people are exposed<br>been assigned specific W<br>opropriate limits., Most in<br>of sizes. The behaviour<br>er entry into the human re-<br>cits, depend on the nature<br>size fractions for limit-set<br>e'., Inhalable dust approx<br>enters the nose and mo-<br>position in the respiratory<br>that penetrates to the g<br>d explanatory material are<br>n components that have<br>ld be complied with., Whe<br>d, a figure three times the | hen sampling is<br>MDHS14/4<br>or respirable,<br>of a substance<br>ent at a<br>-hour TWA of<br>st. This means that<br>to dust above<br>YELs and exposure<br>dustrial dusts<br>, deposition and<br>espiratory system,<br>re and size of the<br>ting purposes<br>simates to the<br>uth during breathing<br>r tract. Respirable<br>as exchange region<br>e given in<br>their own assigned<br>ere no specific |
|                     |   | TWA (Inhalable)  | 10 mg/m3  | GB EH40   |
| Further information | any kind wh<br>mg.m-3 8-ho<br>dust. This m<br>exposed to<br>specific WE<br>limits., When  | en present at a conc<br>our TWA of inhalable<br>leans that any dust v<br>dust above these lev<br>Ls and exposure to t<br>re no specific short-t<br>ng-term exposure lim  |   | or greater than 10<br>Ir TWA of respirable<br>I if people are<br>een assigned<br>he appropriate<br>ed, a figure three   |
|                     |   | TWA (Respirable  | 4 mg/m3   | GB EH40   |
|                     |   | dust)  |   |   |

according to Regulation (EC) No. 1907/2006



### SYMIC OEM Medium Space Gold

| ersion<br>1  | Revision Date:<br>09.03.2022 |   | 00000400  | rint Date: 11.03.2022<br>Date of first issue: 19.11.2014   |  |
|--------------|------------------------------|---|---|--|--|
| Furthe       | er information               | General me<br>thoracic and<br>hazardous t<br>concentratic<br>inhalable du<br>any dust wil<br>these levels<br>to these mu<br>contain part<br>fate of any p<br>and the bod<br>particle. HS<br>termed 'inha<br>fraction of a<br>and is there<br>dust approx<br>of the lung.<br>MDHS14/4.<br>WEL, all the<br>short-term e<br>exposure lin | in accordance with<br>thods for sampling<br>d inhalable aerosols<br>o health includes d<br>on in air equal to or<br>ist or 4 mg.m-3 8-h<br>l be subject to COS<br>a Some dusts have<br>st comply with the<br>icles of a wide rang<br>particular particle a<br>dy response that it e<br>E distinguishes two<br>alable' and 'respiral<br>fore available for d<br>imates to the fracti<br>Fuller definitions an<br>, Where dusts cont<br>e relevant limits sho<br>exposure limit is list<br>nit should be used.<br>TWA (Respirable<br>fraction)<br>d definition of a sub | the methods described in MI<br>and gravimetric analysis or re-<br>s., The COSHH definition of a<br>ust of any kind when present<br>greater than 10 mg.m-3 8-hc<br>our TWA of respirable dust. T<br>SHH if people are exposed to<br>been assigned specific WEL<br>appropriate limits., Most indu-<br>ge of sizes. The behaviour, de-<br>ter entry into the human resp<br>elicits, depend on the nature a<br>o size fractions for limit-setting<br>ole'., Inhalable dust approxim-<br>at enters the nose and mouth<br>eposition in the respiratory tra-<br>on that penetrates to the gas<br>and explanatory material are g<br>ain components that have the<br>ould be complied with., Where<br>ed, a figure three times the loc<br>4 mg/m3 | DHS14/4<br>espirable,<br>a substance<br>at a<br>bur TWA of<br>This means that<br>dust above<br>s and exposure<br>strial dusts<br>eposition and<br>biratory system,<br>and size of the<br>g purposes<br>ates to the<br>during breathing<br>act. Respirable<br>exchange region<br>iven in<br>eir own assigned<br>e no specific<br>ong-term<br>GB EH40<br>ncludes dust of |
|              |                              | any kind wh<br>mg.m-3 8-h<br>dust. This m<br>exposed to<br>specific WE<br>limits., Whe<br>times the low   | en present at a con<br>our TWA of inhalat<br>neans that any dust<br>dust above these le<br>Ls and exposure to<br>re no specific short<br>ng-term exposure l   | ncentration in air equal to or g<br>le dust or 4 mg.m-3 8-hour T<br>will be subject to COSHH if<br>evels. Some dusts have been<br>these must comply with the<br>-term exposure limit is listed,<br>imit should be used.  | reater than 10<br>WA of respirable<br>people are<br>assigned<br>appropriate<br>a figure three  |
| (Mg3ł<br>3]) | ohlogopite<br>K[AIF2O(SiO3)  | 12003-38-<br>2  | TWA   | 2.5 mg/m3<br>(Fluorine)  | 2000/39/EC   |
|              | er information               | Indicative  |   |  |  |
| diiron       | trioxide                     | 1309-37-1   | TWA (Inhalable)   | 10 mg/m3   | GB EH40  |
| Furthe       | er information               | any kind wh<br>mg.m-3 8-h<br>dust. This m<br>exposed to<br>specific WE<br>limits., Whe  | en present at a con<br>our TWA of inhalat<br>neans that any dust<br>dust above these le<br>Ls and exposure to<br>re no specific short   | I<br>ostance hazardous to health in<br>incentration in air equal to or g<br>ole dust or 4 mg.m-3 8-hour T<br>is will be subject to COSHH if j<br>evels. Some dusts have been<br>these must comply with the<br>-term exposure limit is listed,<br>imit should be used.  | reater than 10<br>WA of respirable<br>people are<br>assigned<br>appropriate  |
|              |                              |   | TWA (Respirable fraction)   | 4 mg/m3  | GB EH40  |
| Furthe       | er information               | any kind wh<br>mg.m-3 8-h   | en present at a cor<br>our TWA of inhalab   | ostance hazardous to health i<br>ncentration in air equal to or g<br>le dust or 4 mg.m-3 8-hour T<br>will be subject to COSHH if   | greater than 10<br>WA of respirable  |





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|---------|----------------|--------------|---------------------------------|
| 3.1     | 09.03.2022     | 102000022408 | Date of first issue: 19.11.2014 |
|         |                |              |                                 |

|                     | exposed to dust above these levels. Som<br>specific WELs and exposure to these mu<br>limits., Where no specific short-term expo<br>times the long-term exposure limit should   | ist comply with the appropriate<br>osure limit is listed, a figure three<br>d be used.   |
|---------------------|--|--|
|                     | TWA (inhalable 10 mg/<br>dust)   | m3 GB EH40   |
| Further information | For the purposes of these limits, respirate<br>those fractions of airborne dust which will<br>undertaken in accordance with the metho<br>General methods for sampling and gravin<br>thoracic and inhalable aerosols., The CC<br>hazardous to health includes dust of any<br>concentration in air equal to or greater th<br>inhalable dust or 4 mg.m-3 8-hour TWA of<br>any dust will be subject to COSHH if peo<br>these levels. Some dusts have been assist<br>to these must comply with the appropriat<br>contain particles of a wide range of sizes<br>fate of any particular particle after entry in<br>and the body response that it elicits, dep<br>particle. HSE distinguishes two size fract<br>termed 'inhalable' and 'respirable'., Inhala<br>fraction of airborne material that enters th<br>and is therefore available for deposition i<br>dust approximates to the fraction that per<br>of the lung. Fuller definitions and explana<br>MDHS14/4., Where dusts contain compo<br>WEL, all the relevant limits should be cor<br>short-term exposure limit is listed, a figur<br>exposure limit should be used. | I be collected when sampling is<br>ods described in MDHS14/4<br>metric analysis or respirable,<br>VSHH definition of a substance<br>kind when present at a<br>an 10 mg.m-3 8-hour TWA of<br>of respirable dust. This means that<br>ple are exposed to dust above<br>igned specific WELs and exposure<br>e limits., Most industrial dusts<br>. The behaviour, deposition and<br>nto the human respiratory system,<br>end on the nature and size of the<br>ions for limit-setting purposes<br>able dust approximates to the<br>ne nose and mouth during breathing<br>n the respiratory tract. Respirable<br>netrates to the gas exchange region<br>atory material are given in<br>onents that have their own assigned<br>mplied with., Where no specific |
|                     | TWA (Respirable 4 mg/m<br>dust)  | GB EH40  |
| Further information | For the purposes of these limits, respirate<br>those fractions of airborne dust which wil<br>undertaken in accordance with the method<br>General methods for sampling and gravin<br>thoracic and inhalable aerosols., The CO<br>hazardous to health includes dust of any<br>concentration in air equal to or greater th<br>inhalable dust or 4 mg.m-3 8-hour TWA of<br>any dust will be subject to COSHH if peo<br>these levels. Some dusts have been assis<br>to these must comply with the appropriat<br>contain particles of a wide range of sizes<br>fate of any particular particle after entry in<br>and the body response that it elicits, dep<br>particle. HSE distinguishes two size fract<br>termed 'inhalable' and 'respirable'., Inhala<br>fraction of airborne material that enters th<br>and is therefore available for deposition i<br>dust approximates to the fraction that per<br>of the lung. Fuller definitions and explana  | I be collected when sampling is<br>ods described in MDHS14/4<br>metric analysis or respirable,<br>ISHH definition of a substance<br>kind when present at a<br>an 10 mg.m-3 8-hour TWA of<br>of respirable dust. This means that<br>ple are exposed to dust above<br>igned specific WELs and exposure<br>e limits., Most industrial dusts<br>. The behaviour, deposition and<br>nto the human respiratory system,<br>end on the nature and size of the<br>ions for limit-setting purposes<br>able dust approximates to the<br>me nose and mouth during breathing<br>n the respiratory tract. Respirable<br>netrates to the gas exchange regior  |



according to Regulation (EC) No. 1907/2006

### SYMIC OEM Medium Space Gold

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|---------|----------------|--------------|---------------------------------|
| 3.1     | 09.03.2022     | 102000022408 | Date of first issue: 19.11.2014 |

MDHS14/4., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name                         | End Use   | Exposure routes | Potential health effects      | Value      |
|--|-----------|-----------------|-------------------------------|------------|
| Fluorphlogopite<br>(Mg3K[AIF2O(SiO3)3] | Consumers | Ingestion       | Long-term systemic<br>effects | 62.5 mg/kg |

#### 8.2 Exposure controls

#### Personal protective equipment

| Eye protection           | : | Safety glasses  |
|--------------------------|---|---|
| Skin and body protection | : | Protective suit   |
| Respiratory protection   | : | No personal respiratory protective equipment normally required. |

#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

| Appearance                  | : powder                                      |
|-----------------------------|---|
| Colour                      | : gold  |
| Odour                       | : odourless                                   |
| Odour Threshold             | : No data available                           |
| рН                          | : substance/mixture is non-soluble (in water) |
| Freezing point              | : No data available                           |
| Boiling point/boiling range | : No data available                           |
| Flash point                 | : No data available                           |
| Evaporation rate            | : No data available                           |
| Flammability (solid, gas)   | : Will not burn                               |
| Self-ignition               | : No data available                           |
| Auto-ignition temperature   | : No data available                           |
| Smoldering temperature      | : No data available                           |

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### SYMIC OEM Medium Space Gold

| Vers<br>3.1 | sion   | Revision Date:<br>09.03.2022            |   | S Number:<br>2000022408 | Print Date: 11.03.2022<br>Date of first issue: 19.11.2014 |
|-------------|--|---|---|-------------------------|---|
|             |  |   |   |                         |   |
|             | Decom  | position temperature                    | : | No data available       | 9   |
|             | Explosive properties                             |   | : | No data available       |   |
|             | Oxidizir   | ng properties                           | : | No data available       |   |
|             | Upper explosion limit / Upper flammability limit |   | : | No data available       |   |
|             |  | explosion limit / Lower<br>bility limit | : | No data available       |   |
|             | Vapour   | pressure                                | : | No data available       | )   |
|             | Relative   | e vapour density                        | : | No data available       | )   |
|             | Relative density                                 |   | : | No data available       | 9   |
|             | Density  |   | : | 3.6 g/cm3               |   |
|             | Bulk de  | ensity                                  | : | 0.4 g/cm3               |   |
|             | Water solubility                                 |   | : | No data available       | )   |
|             | Solubili   | ty in other solvents                    | : | No data available       | )   |
|             | Partitio<br>octanol                              | n coefficient: n-<br>/water             | : | No data available       |   |
|             | Decom  | position temperature                    | : | No data available       | 9   |
|             | Viscosi  | ty, dynamic                             | : | No data available       | 9   |
|             | Viscosi  | ty, kinematic                           | : | No data available       | 9   |
|             | Flow tir   | ne                                      | : | No data available       |   |

#### 9.2 Other information

No data available

#### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions :

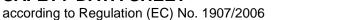
Stable under recommended storage conditions. No hazards to be specially mentioned.



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### SYMIC OEM Medium Space Gold

| Version<br>3.1 | Revision Date:<br>09.03.2022                         | SDS Number:<br>102000022408 | Print Date: 11.03.2022<br>Date of first issue: 19.11.2014 |
|----------------|--|-----------------------------|---|
|                |  |                             |   |
| 10.4 Cond      | ditions to avoid                                     |                             |   |
| Cond           | litions to avoid                                     | : No data availa            | able  |
| 10.5 Inco      | mpatible materials                                   |                             |   |
| 10.6 Haza      | rdous decompositio                                   | on products                 |   |
| Conta<br>air   | act with water or humi                               | d : This information        | on is not available.                                      |
| Therr          | nal decomposition                                    | : This information          | on is not available.                                      |
|                |  |                             |   |
|                | N 11: Toxicological                                  |                             |   |
|                | mation on toxicolog                                  | ical effects                |   |
|                | <b>e toxicity</b><br>lassified based on ava          | ailable information         |   |
|                |  |                             |   |
| •••••          | corrosion/irritation                                 | ailable information         |   |
|                | ous eye damage/eye                                   |                             |   |
|                | lassified based on ava                               |                             |   |
| Resp           | piratory or skin sensi                               | tisation                    |   |
| -              | sensitisation  |                             |   |
| Not c          | lassified based on ava                               | ailable information.        |   |
| Resp           | piratory sensitisation                               | l                           |   |
| Not c          | lassified based on ava                               | ailable information.        |   |
|                | n cell mutagenicity                                  |                             |   |
| Not c          | lassified based on ava                               | ailable information.        |   |
|                | inogenicity  |                             |   |
|                | lassified based on ava                               | ailable information.        |   |
| -              | oductive toxicity                                    |                             |   |
|                | lassified based on ava                               | allable information.        |   |
|                | T - single exposure<br>lassified based on available  | ailable information         |   |
|                |  |                             |   |
|                | F - repeated exposur<br>lassified based on available |                             |   |
|                | ration toxicity                                      |                             |   |
| -              | lassified based on ava                               | ailable information.        |   |
|                |  | 9 / 13                      | A member of <b>C All</b>                                  |





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| 3.1     | 09.03.2022     | 102000022408 | Date of first issue: 19.11.2014 |

#### Further information

#### Product:

Remarks: No data available

#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

No data available

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

#### 12.6 Other adverse effects

#### Product:

Additional ecological : No data available information

#### Components:

#### Fluorphlogopite (Mg3K[AIF2O(SiO3)3]):

Additional ecological : No data available information

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.



according to Regulation (EC) No. 1907/2006

### SYMIC OEM Medium Space Gold

| Version | Revision Date: | SDS Number:  | Print Date: 11.03.2022          |
|---------|----------------|--------------|---------------------------------|
| 3.1     | 09.03.2022     | 102000022408 | Date of first issue: 19.11.2014 |

#### **SECTION 14: Transport information**

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

### Remarks

Not classified as dangerous in the meaning of transport regulations.

# 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

:

Not applicable for product as supplied.

#### **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).  | : Not applicable |
|--|------------------|
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer  | : Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast)  | : Not applicable |
| UK REACH List of substances subject to authorisation (Annex XIV)   | : Not applicable |
| REACH - Restrictions on the manufacture, placing on<br>the market and use of certain dangerous substances,<br>preparations and articles (Annex XVII) | : Not applicable |

#### 15.2 Chemical safety assessment

according to Regulation (EC) No. 1907/2006



### SYMIC OEM Medium Space Gold

| Version | Revision Date: | SDS Number:  | Print Date: 11.03.2022          |
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#### **SECTION 16: Other information**

#### Full text of other abbreviations

| 2000/39/EC       | : | Europe. Commission Directive 2000/39/EC establishing a first |
|------------------|---|--|
|                  |   | list of indicative occupational exposure limit values        |
| GB EH40          | : | UK. EH40 WEL - Workplace Exposure Limits                     |
| 2000/39/EC / TWA | : | Limit Value - eight hours                                    |
| GB EH40 / TWA    | : | Long-term exposure limit (8-hour TWA reference period)       |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA -International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature: SDS - Safety Data Sheet: SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GB / EN



according to Regulation (EC) No. 1907/2006

## SYMIC OEM Medium Space Gold

VersionRevision Date:SDS Number:Print Date:11.03.20223.109.03.2022102000022408Date of first issue:19.11.2014